



## Chevron Resources Company

A division of Chevron Industries, Inc.

Manila Star Route, Vernal, UT 84078 • Phone (801) 789-2233

Rec'd. 9-27-84  
File ACT/047/007

September 26, 1984

RECEIVED

SEP 27 1984

DIVISION OF OIL  
GAS & MINING

Mr. James Smith  
Coordinator Mined Land Reclamation  
Utah Division of Oil, Gas and Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Re: Supplemental Information for Mine Plan Amendment, Vernal  
Phosphate Operation

Dear Mr. Smith:

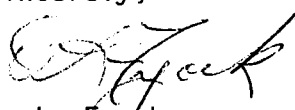
On August 30, 1984, Chevron Resources Company Vernal Phosphate Operation received a request from your office for additional information concerning the expansion to the east side of Highway 191 (US 44).

The following items are provided herein:

1. Response to DOGM letter of 8/30/84
2. Signed Form MR-1, Page 11
3. United Pacific Insurance Company Bond for \$3,000,000
4. Mine Plan Map 1" = 2000' (Revised 9/24/84)
5. Geologic Map (9/26/84)
6. Geologic Cross-Section
7. Percolation Basin Cross-Section

Should there be any further questions, please contact me at the above address or at telephone number (801) 789-7795, ext. 48.

Sincerely,

  
O. L. Fyock  
Environmental Specialist

Enclosures (7)

cc:

R. D. Haddenham w/o/enclosures  
M. A. Weaver w/o/enclosures

RECEIVED

Response to DOGM Letter of 8/30/84

SEP 27 1984

Rule M-3(1) Hydrology - DD

DIVISION OF OIL  
GAS & MINING

- (b) The Never Sweat adit is shown on the Mine Plan Map (1" = 2000' revised 9/24/84). The adit was driven by Stauffer Chemical into the ore zone for bulk sampling. It is approximately 400 feet long and 10 feet from floor to back and rib to rib.

The extent of all proposed french drains are shown on Mine Plan Map (1" = 200', revised 9/24/84). Refer to french drain cross section detail of percolation basins.

Mining in the vicinity of Little Brush Creek and Burnt Cabin Gorge will be conducted similar to methods used by Chevron along Big Brush Creek. A minimum of a 100 foot buffer zone will be employed along each ridge of Little Brush Creek and Burnt Cabin Gorge, see Mine Plan Map (1" = 2000', revised 9/24/84).

When mining advances to the immediate area of Little Brush Creek and Burnt Cabin Gorge, more specific plans will be prepared and submitted to the Division. Crossings and stream protection plans will be included in the submittal.

- (f) Test borings, contact point locations, and drill hole locations were submitted to the Division on June 5, 1984 to Mr. Thomas Letting.

A geologic map has been prepared from Geologic Survey Bulletin 1007, Geology of the Uinta River -- Brush Creek Area, Duchesne and Uintah Counties, Utah. Kenny, D.M.. March 3, 1949. 185pp.

Water bearing strata is presented on Cross-Section 70,000 E, attached.

Rule M-3 (2) DD

Life expectancy of the existing tailings dam is five (5) years. Investigations for additional tailings disposal are being conducted at this time. The Division will be informed of the alternatives. All Federal, State and Local permits will be obtained when the additional tailings are required.

Rule M-10(14) Soils-TLP

During normal topsoil removal an average of 7.5 inches of soil is removed. This same quantity is placed upon recontoured ground of approximately the same acreage. The topsoil depth returned will, therefore, be an average of 7.5 inches.

Rule M-8 - DD

Annual reports will be submitted on or before January 1 of each year.

Rule M-10-PGL

Reclamation plans will be submitted with the tunnel engineering.

**RECEIVED**

SEP 27 1984

DIVISION OF OIL  
GAS & MINING

ORIGINAL IN  
BOND FILE  
518/91  
ddg/ly

I hereby commit the applicant to comply with Rule M-10, "Reclamation Standards" in its entirety, as adopted by the Board of Oil, Gas and Mining on March 22, 1978.

The applicant will achieve the reclamation standards for the following categories as outlined in Rule M-10 on all areas of land affected by this mine, unless a variance is granted in writing by the Division.

<u>Rule</u>	<u>Category of Commitment</u>	<u>Variance Requested?</u>
M-10(1)	Land Use	_____
M-10(2)	Public Safety and Welfare	_____
M-10(3)	Impoundments	_____
M-10(4)	Slopes	_____
M-10(5)	Highwalls	_____
M-10(6)	Toxic Materials	_____
M-10(7)	Roads and Pads	_____
M-10(8)	Drainages	_____
M-10(9)	Structures and Equipment	_____
M-10(10)	Shafts and Portals	_____
M-10(11)	Sediment Control	_____
M-10(12)	Revegetation	_____
M-10(13)	Dams	_____
M-10(14)	Soils	_____

I believe a variance is justified on a site-specific basis for the previous subsections of Rule M-10 as indicated. A narrative statement explaining these concerns is attached.

RECEIVED

STATE OF California

SEP 27 1984

COUNTY OF San Francisco

DIVISION OF OIL  
GAS & MINING

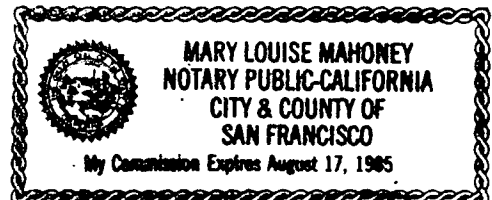
I, C. DAHLSTROM, having been duly sworn depose and attest that all of the representations contained in the foregoing application are true to the best of my knowledge; that I am authorized to complete and file this application on behalf of the Applicant and this application has been executed as required by law.

Signed: C. Dahlstrom  
VICE-PRESIDENT

Taken, subscribed and sworn to before me the undersigned authority in my said county, this 21 day of September, 1984.

Notary Public: Mary Louise Mahoney

Commission Expires: August 17 1985



# UNITED PACIFIC INSURANCE COMPANY

HEAD OFFICE, FEDERAL WAY, WASHINGTON

## INCREASE RIDER

ORIGINAL IN BOND  
FILE

To be attached to and form part of Mined Lands Reclamation Bond, BOND NO.        Issued by the  
UNITED PACIFIC INSURANCE COMPANY, as Surety, on behalf of Chevron Resources Company, a Division  
of Chevron Industries, Inc., as Principal, in favor  
of State of Utah, Division of Oil, Gas and Mining, said bond having been issued in  
the amount of One Million and no/100ths DOLLARS (\$ 1,000,000.) effective  
from the 26th day of January, 19 84.

It is hereby understood and agreed the amount of the aforesaid bond is hereby increased from         
One Million and no/100ths DOLLARS (\$ 1,000,000.00)  
to Three Million and no/100ths DOLLARS (\$ 3,000,000.00)  
effective as of the 31st day of August, 19 84.

Provided, however, the liability of the UNITED PACIFIC INSURANCE COMPANY for defaults occurring prior  
to the 31st day of August, 19 84, shall not exceed         
One Million and no/100ths DOLLARS (\$ 1,000,000.00)  
and the liability for defaults occurring after said date shall not exceed         
Three Million and no/100ths DOLLARS (\$ 3,000,000.00),  
and the total liability of the Surety shall in no event exceed Three Million and no/100ths  
       DOLLARS (\$ 3,000,000.00).

Signed, sealed and dated this 4th day of September, 19 84.

RECEIVED

SEP 27 1984

DIVISION OF OIL  
GAS & MINING

Chevron Resources Company,  
a division of Chevron Industries, Inc.

By [Signature]  
Secretary PRINCIPAL

UNITED PACIFIC INSURANCE COMPANY

By [Signature]  
LEE RAMAGE ATTORNEY-IN-FACT

UNITEL

PACIFIC INSURANCE

COMPANY

HEAD OFFICE, FEDERAL WAY, WASHINGTON

RECEIVED

## POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, That the UNITED PACIFIC INSURANCE COMPANY, a corporation duly organized under the laws of the State of Washington, does hereby make, constitute and appoint

SEP 27 1984

LEE RAMAGE of SAN FRANCISCO, CALIFORNIA----

DIVISION OF OIL  
GAS & MINING

its true and lawful Attorney-in-Fact, to make, execute, seal and deliver for and on its behalf, and as its act and deed

ANY AND ALL BONDS AND UNDERTAKINGS OF SURETYSHIP-----

and to bind the UNITED PACIFIC INSURANCE COMPANY thereby as fully and to the same extent as if such bonds and undertakings and other writings obligatory in the nature thereof were signed by an Executive Officer of the UNITED PACIFIC INSURANCE COMPANY and sealed and attested by one or more of such officers, and hereby ratifies and confirms all that its said Attorney(s) in Fact may do in pursuance hereof

This Power of Attorney is granted under and by authority of Article VII of the By-Laws of UNITED PACIFIC INSURANCE COMPANY which became effective September 7, 1978, which provisions are now in full force and effect, reading as follows

## ARTICLE VII - EXECUTION OF BONDS AND UNDERTAKINGS

1 The Board of Directors, the President, the Chairman of the Board, any Senior Vice President, any Vice President or Assistant Vice President or other officer designated by the Board of Directors shall have power and authority to (a) appoint Attorneys-in-Fact and to authorize them to execute on behalf of the Company, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, and (b) to remove any such Attorney-in-Fact at any time and revoke the power and authority given to him

2 Attorneys-in-Fact shall have power and authority, subject to the terms and limitations of the power of attorney issued to them, to execute and deliver on behalf of the Company, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof. The corporate seal is not necessary for the validity of any bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof

3 Attorneys-in-Fact shall have power and authority to execute affidavits required to be attached to bonds, recognizances, contracts of indemnity or other conditional or obligatory undertakings and they shall also have power and authority to certify the financial statement of the Company and to copies of the By-Laws of the Company or any article or section thereof

This power of attorney is signed and sealed by facsimile under and by authority of the following Resolution adopted by the Board of Directors of UNITED PACIFIC INSURANCE COMPANY at a meeting held on the 5th day of June, 1979, at which a quorum was present, and said Resolution has not been amended or repealed

"Resolved, that the signatures of such directors and officers and the seal of the Company may be affixed to any such power of attorney or any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached."

IN WITNESS WHEREOF, the UNITED PACIFIC INSURANCE COMPANY has caused these presents to be signed by its Vice President, and its corporate seal to be hereto affixed, this 14th day of February 19 83



UNITED PACIFIC INSURANCE COMPANY

Asst. Vice President

D. Keith Johnson

STATE OF  
COUNTY OFWashington  
King

}

On this 14th day of February, 1983, personally appeared D. Keith Johnson

to me known to be the Vice-President of the UNITED PACIFIC INSURANCE COMPANY, and acknowledged that he executed and attested the foregoing instrument and affixed the seal of said corporation thereto, and that Article VII, Section 1, 2, and 3 of the By-Laws of said Company, and the Resolution, set forth therein, are still in full force.

My Commission Expires:

July 20, 19 86



Elizabeth A. Morrow

Notary Public in and for State of Washington

Residing at

Milton

I, Charles J. Falskow

, Assistant Secretary of the UNITED PACIFIC INSURANCE COMPANY, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney executed by said UNITED PACIFIC INSURANCE COMPANY, which is still in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Company this 4th day of September

19 84

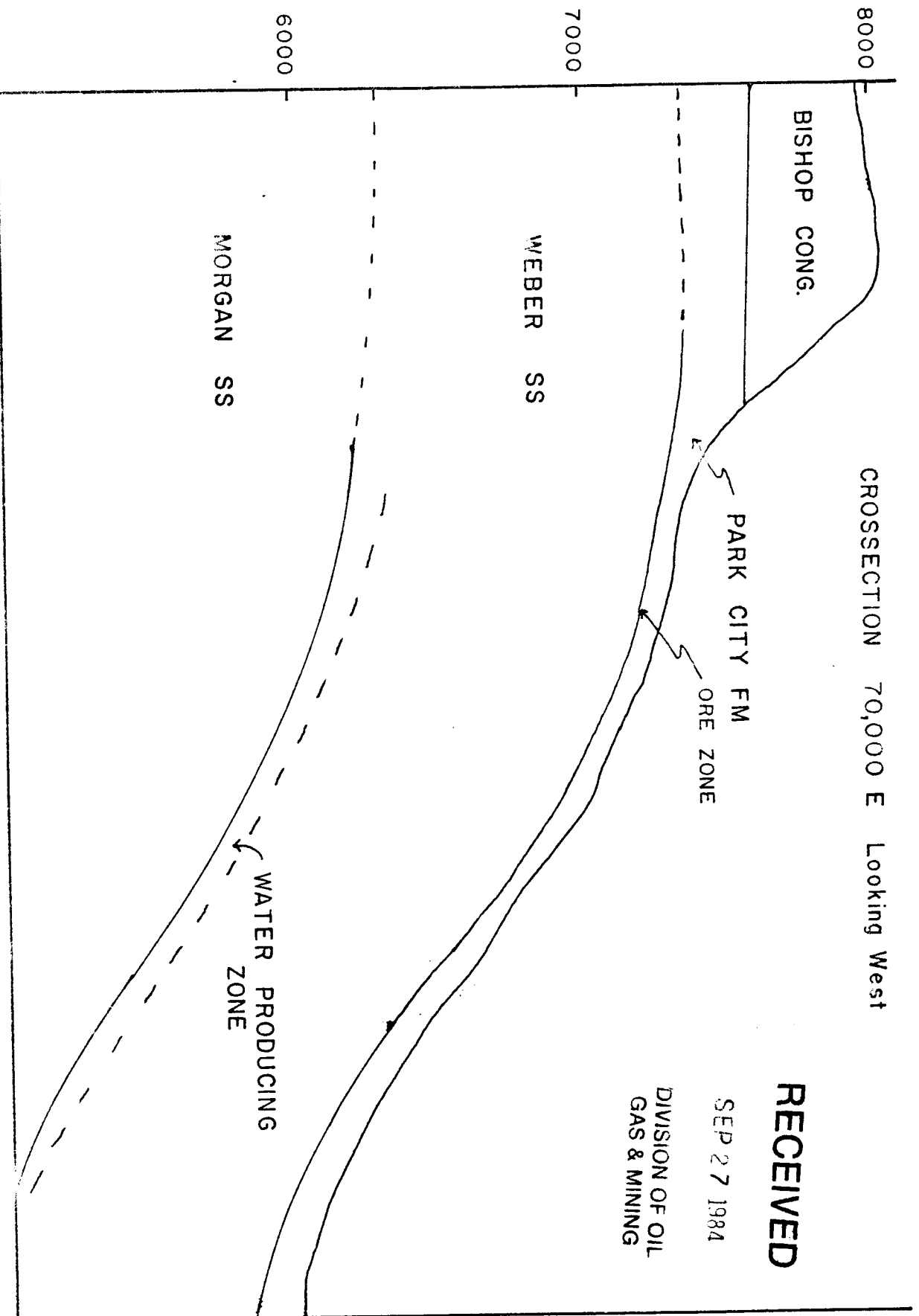


Assistant Secretary

Charles J. Falskow

CHEVRON RESOURCES COMPANY  
VERNAL PHOSPHATE OPERATION

CROSSSECTION 70,000 E Looking West



RECEIVED

SEP 27 1984

DIVISION OF OIL  
GAS & MINING

VERTICAL SCALE = 1" = 500'

HORIZONTAL SCALE 1" = 2000'

# PERCOLATION BASIN CROSS SECTION

RECEIVED

SEP 27 1934

DIVISION OF OIL  
GAS & MINING

UPPER CLIFF  
FORMER  
30 ft. LIMESTONE

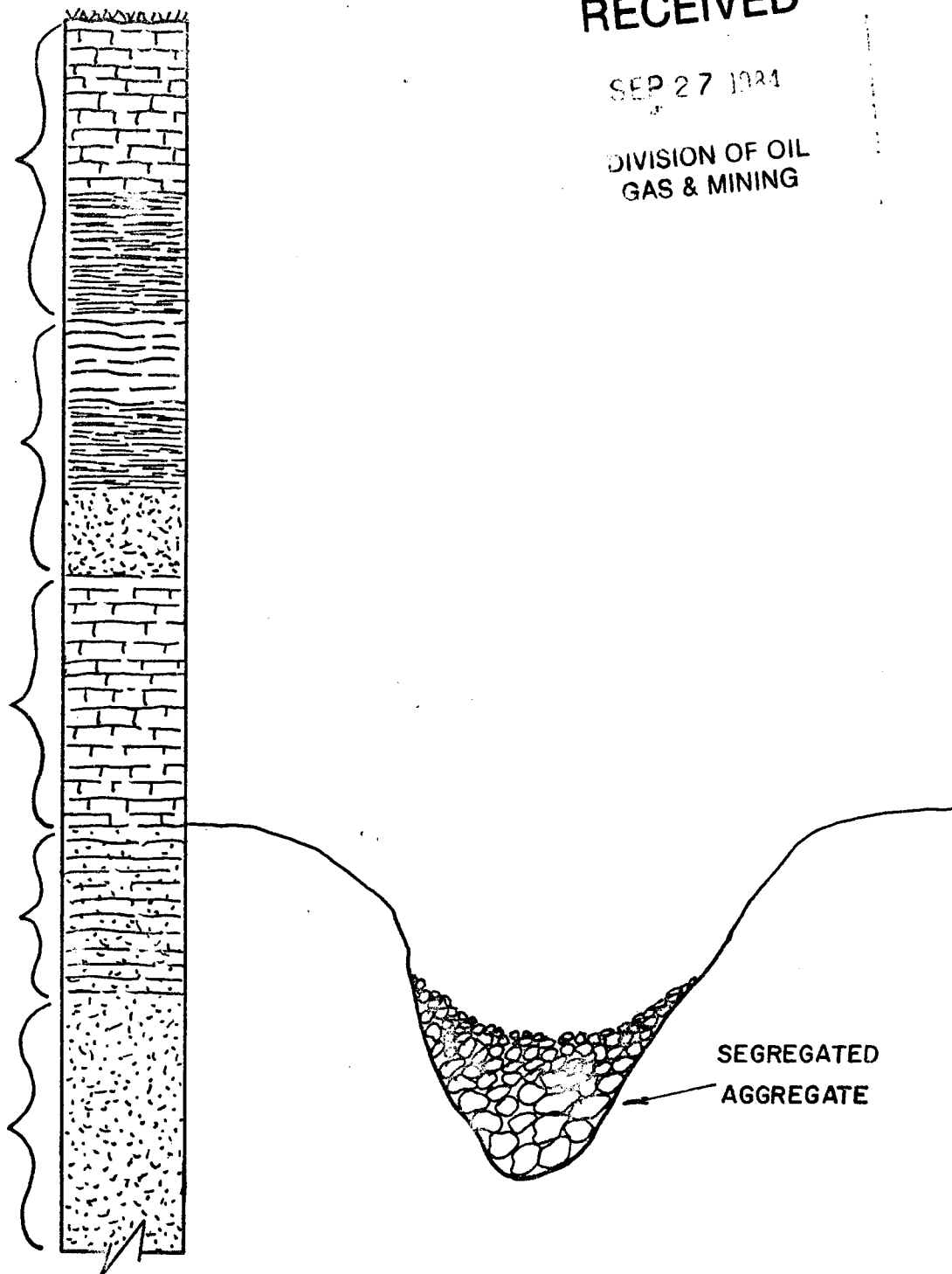
MACKENTIRE  
30 ft. SHALE

LOWER CLIFF  
FORMER  
30 ft. LIMESTONE

PHOSPHORIA  
17 ft. - 20 ft.

WEBER  
SANDSTONE  
1000 ft.  $\pm$

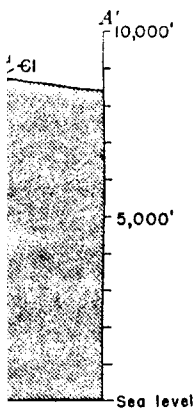
SEGREGATED  
AGGREGATE







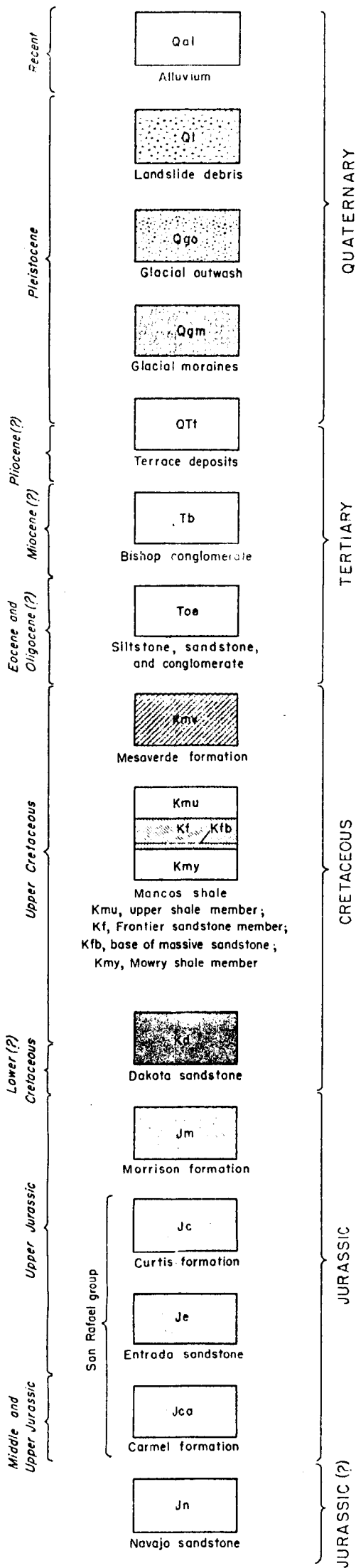
# EXPLANATION



RECEIVED

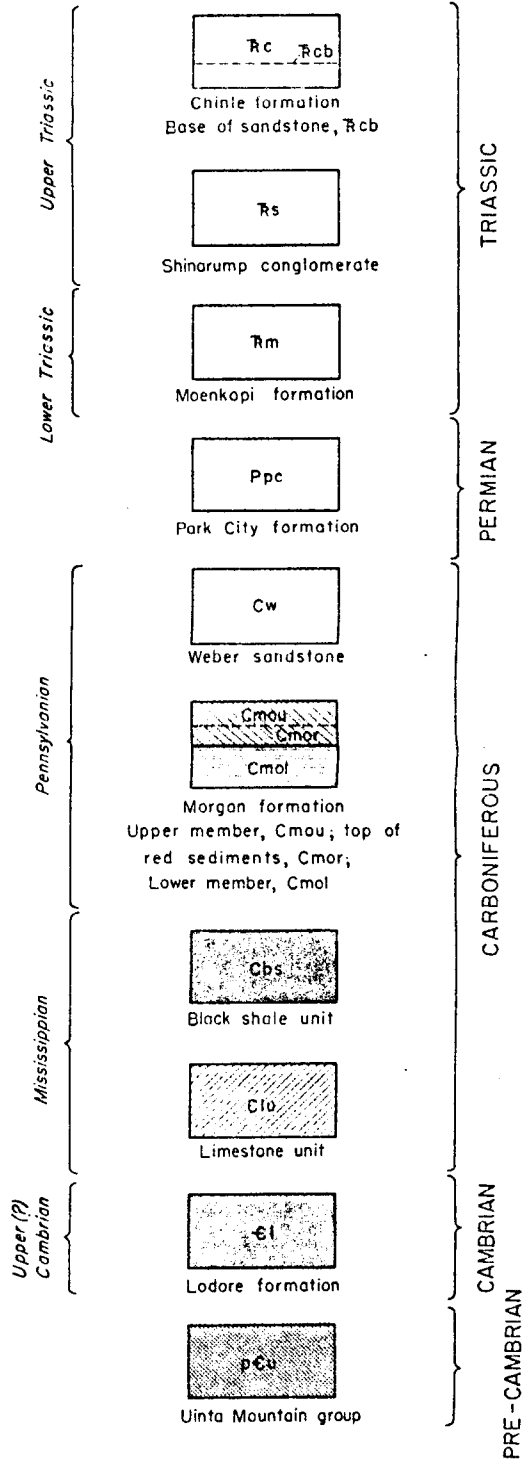
SEP 27 1984

DIVISION OF OIL  
GAS & MINING



Patented mineral claim

Section or township corner located



Geologic boundary,  
dashed where inferred

U  
D

Fault, dashed where inferred;  
U, upthrown side; D, downthrown side

Strike and dip of beds

Axis of Anticline, dashed where approximate

Axis of Syncline, dashed where approximate

9,000  
8,000

Structure contour lines drawn on top of Navajo sandstone.  
Datum is mean sea level. Contour interval 1000 feet. Contour  
lines are broken where control data are meager

Coal mine

Abandoned coal mine

Oil well

Abandoned gas well